SAFETY DATA SHEET

Section 1: SUBSTANCE IDENTIFICATION AND SUPPLIER

Product Name: **XL Methylated Spirits**

Other Name: **NA**

Recommended Use: Cleaning product, bactericide

Company Identification: Integra Industries Ltd
Address: 21 Glasgow St
South Dunedin
Ph: (03) 4556805

Emergency Telephone Number: IN AN EMERGENCY, DIAL 111 – FIRE or POLICE or AMBULANCE

National Poisons Information Centre: 0800 POISON (0800 764 766) 24 HOURS

Section 2: HAZARD IDENTIFICATION

Dangerous Goods: Classified as a Dangerous Goods under New Zealand transport legislation.

Signal word: **DANGER**

Hazardous Substance (HSNO):
3.1B
6.4A
9.1D

Hazard Statements:
H225 Highly flammable liquid and vapour.
H320 Causes eye irritation.
H402 Harmful to aquatic life.

Prevention Statements:
P103 Read label before use.
P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking.
P233 Keep container tightly closed.
P240 Ground container and receiving equipment.
P241 Use explosion-proof equipment.
P242 Use non-sparking tools.
P243 Take precautionary measures against static discharge.
P264 Wash hands thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear protective clothing, gloves and eye protection.

Response Statements:
P101 If medical advice is needed, have product container or label at hand.
P303 + P361 + P353 IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water.
P332 + P313 If skin irritation occurs: Get medical advice.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation occurs: Get medical advice.
P370 + P378 In case of fire: Stop leak if safe to do so.

Storage Statements:
P403 + P235 Store in a well-ventilated area.
P405 Store locked up.

Disposal Statement: P501 Dispose of product and containers in accordance with local regulations.

Section 3: COMPOSITION INFORMATION

INGREDIENT	CAS No.	CONTENT
Ethyl Alcohol	64-17-5	95%
Denatonium benzoate	3734-33-6	<5%

Section 4: FIRST AID MEASURES

First Aid Measures: Consult the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor immediately in every case of suspected poisoning.

Inhalation: Move to fresh air.

Ingestion: If patient is fully conscious, give two glasses of milk or water. Do NOT induce vomiting. Seek immediate medical advice.

Skin: Remove contaminated clothing. Wash skin with water. If irritation persists or if contact has been prolonged, seek medical advice.

Eye: Immediately flush with running water for at least 15 minutes. Seek medical attention if irritation persists.

Advice to Doctor: No specific antidote. Treat symptomatically

First Aid Facilities: Provide eye baths and safety showers close to areas where splashing may occur.

Section 5: FIRE FIGHTING MEASURES

Flashpoint: 130C Flammable limits: LFL: 3.3% UFL: 24.5% Extinguishing media: Dry chemical or alcohol foam or CO2. Water spray or water fog for large fires only.

Fire & Explosion hazards: Liquid and vapours are highly flammable. Expansion or decomposition of containers may lead to violent rupture of containers.

Firefighting Equipment: Full protective clothing and self-contained breathing apparatus (SCBA).

In event of fire: Alert Fire Bridge (111); advise location and nature of hazard.

Wear breathing apparatus and protective gloves.

Shut off product that may 'fuel' a fire if safe to do so.

If safe, switch off electrical equipment until vapour hazard removed.

Allow trained personnel to attend a fire in progress, providing fire-fighters with this Safety Data Sheet.

Prevent product and extinguishing media from escaping to drains and waterways.

Hazards from combustion products: Smoke, carbon dioxide, carbon monoxide.

Hazchem Code: 3Y

Section 6: ACCIDENTAL RELEASE MEASURES

Emergency Procedures & Containment: Refer to "Fire Fighting Measures", "First Aid Measures" and "Stability and Reactivity"

Minor spills: Remove or eliminate all ignition sources. Clean up spills immediately.

Avoid breathing vapours and contact with skin and eyes. Wear personal protective equipment.

Contain and absorb small quantifies with vermiculite or other absorbent material.

Collect residues and waste material in a labeled container suitable for flammables.

Seal container and dispose of safely.

Major spills: Clear area of personnel and move upwind.

Alert Fire Bridge (111); advise location and nature of hazard.

Wear breathing apparatus plus protective gloves.

Stop leak if safe to do so.

Contain spill with sand, earth or vermiculite.

Prevent by any means available, spillage from entering drains, sewers, watercourses, or low-lying areas.

Eliminate sources of ignition, naked lights. No smoking.

Increase ventilation.

Water spray or fog may be used to disperse/absorb vapour.

Use only spark-proof tools, e.g. shovels, and explosion proof equipment, e.g. pumps.

Collect recoverable product into labeled contains for recycling.

Absorb remaining product with sand, earth or vermiculite.

Collect solid residues and seal in labeled drums for disposal.

Wash area and prevent run off into drains.

If contamination of drains or waterways occurs, advise Emergency Services and Local or Regional authority.

Section 7: HANDLING AND STORAGE

Precautions for safe handling: Read label before use. This product is highly flammable. Use in well-ventilated area. Wash hands with soap and water after handling. Do not open near open flame, sources of heat or ignition. No smoking. Keep container closed. Handle containers with care. Open slowly to control possible pressure release. Material will accumulate static discharge. Use may require grounding leads to avoid discharge (electrical spark), spark-free tools and equipment suitable for flammables. Do not use plastic buckets.

Conditions for safe storage: Keep out of reach of children. Store in a cool, dry place away from direct sunlight. This product will fuel a fire in progress. Check containers periodically for leaks or distortion.

Incompatible materials: Natural rubber, butyl rubber, EDPM, polystyrene.

Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Health Exposure Standards: A Workplace Exposure Standard (WES) has been set by Worksafe New Zealand.
WES-TWA Ethyl alcohol 1000 ppm (1880 mg/m3)

Biological limit values: None established

Engineering Controls: Ventilation: Use product outdoors or in well-ventilated area. If using product in commercial or industrial situations the use of local exhaust ventilation is recommended to control emissions near the source. Provide mechanical ventilation in confined spaces. Use explosion-proof ventilation equipment.

Personal Protective Equipment: Respiratory Protection: Where concentrations in air may exceed the limits described in the Workplace Exposure Standards, it is recommended to use a half-face filter mask to protect from overexposure by inhalation. A type “A” filter material is considered suitable for this product.

Eye Protection: Protect eyes from splashes; wear safety glasses with side shields.

Skin/ Body Protection: If using product in large quantities in commercial or industrial situations, wear chemical resistant gloves, e.g. PVC, nitrile rubber, also safety footwear or safety gumboots, e.g. rubber. Always wear long sleeves and long trousers or coveralls; PVC apron.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance -	Clear purple liquid
Odour –	
Alcohol Flash Point	0C 14
Auto-ignition temperature	0C 363
Specific gravity	@ 200C g/ml 0.79
Vapour Pressure	@ 200C mm Hg Not available
Vapour Density	@ 200C kPa Not available
Explosive Limits in Air %	Not available
Viscosity cSt	Not available
Volatiles %vol/vol	Not available
Alkalinity/acidity (as pH) -	Not applicable
Solubility in Water % w/w	Completely miscible

The values listed are indicative of this product's physical and chemical properties.

Section 10: STABILITY AND REACTIVITY

Stability: Stable at room temperature and pressure. Conditions to avoid: Sources of heat and ignition, open flames.

Hazardous decomposition products: No decomposition products except on burning. See "Fire Fighting Measures" and "Hazardous Reactions".

Hazardous reactions: Strong oxidizing agents, peroxides, acid chlorides, acid anhydrides, alkali metals, ammonia.

Hazardous polymerization: Not known to occur.

Section 11: TOXICOLOGICAL INFORMATION

Acute Effects

Ingestion May be harmful if swallowed. Aspiration into the lungs by ingestion or vomiting may result in chemical pneumonitis or pulmonary oedema. Symptoms of over-exposure are nausea, vomiting and inebriation. Product contains denatonium benzoate, a bittering agent, so ingestion is unlikely.

Eye Contact May be irritating to eyes causing short term discomfort if not rinsed out immediately. Will not permanently damage eye tissue.

Skin Contact May be mildly irritating to skin. Prolonged or repeated exposure will increase risk of dryness and cracking of skin.

Inhalation Vapour may be irritating to nose and throat. Exposure to high concentrations over an extended time will result in headaches, dizziness, drowsiness, nausea and inebriation.

Chronic Effects Mild central nervous system depressant. Chronic exposure (by ingestion) may lead to liver damage.

Other Health Effects

Information: No additional information available.

Toxicological

Information: Not available.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Aquatic toxicity: Product is classified as being harmful to aquatic life. Ethyl alcohol has biocidal effect at high concentrations.

Persistence/degradability: No information available to indicate product is persistent or bioaccumulative.

Mobility: This product is highly volatile and will rapidly dissipate.

Ecotoxicity Information: Ethyl alcohol Daphnia magna LC50 (48 hr) 9.3 mg/L

Environmental Exposure Standards: Not set.

Section 13: DISPOSAL INFORMATION

Disposal Methods: Care should be taken to ensure compliance with national, regional and local authority regulations. Packaging may still contain vapours that are flammable. Ensure that empty packaging is allowed to dry. If not recycled, puncture and crush before disposal to landfill. Do not use container for storage of other products.

Section 14: TRANSPORT INFORMATION

Transport:

UN Number:	1170
Proper Shipping Name:	Ethanol Solution
DG Class:	3
Packing Group:	III
Marine Pollutant:	3Y

Other Information: NA

Section 15: REGULATORY INFORMATION

Cleaning Products Subsidiary Hazards Group Standard: HSR002553

Section 16: OTHER INFORMATION

The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material. The information is provided in good faith based on current knowledge and experience. No warranty with regard to the product properties is expressed or implied.